



Successful Management Of The Effects Of Evolving Technology

Management of Evolving Technology

Management of Evolving Technology Includes
Both Older Technologies in Existing Government
and Commercial Equipments **As Well As**
Utilizing the Potential of New Technology.

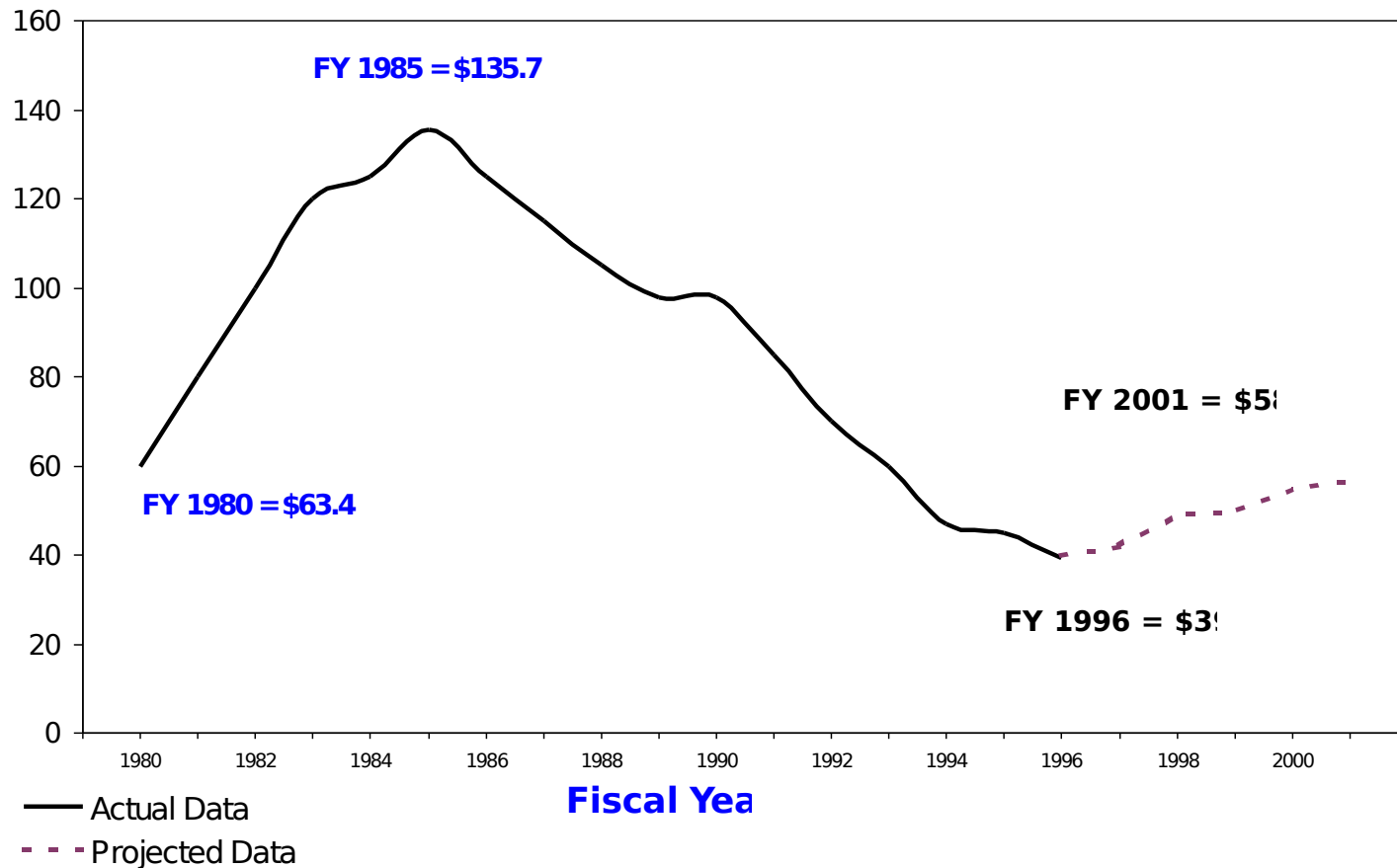
⇒Not Commodity Sensitive....Affects Parts,

Modules and Materials at Random

⇒Upgrade Opportunity.....for COTS

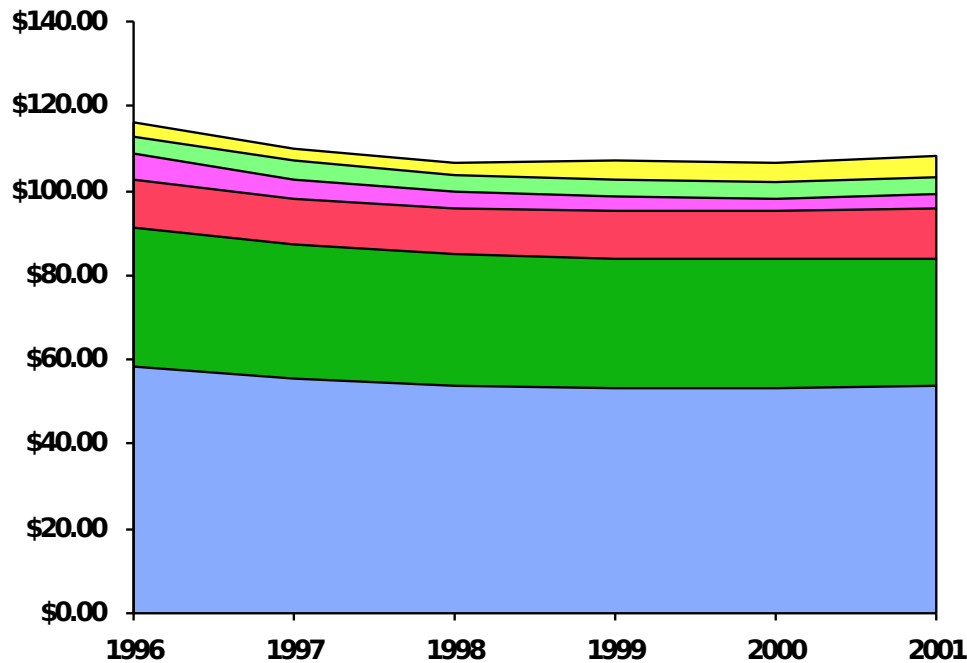
DOD Procurement Budget 1980 to 2001 (of Constant 1996 Dollars)

Billion
Dollars



Direct Infrastructure Funding by Appropriation (FY 1996- 2001)

Billions



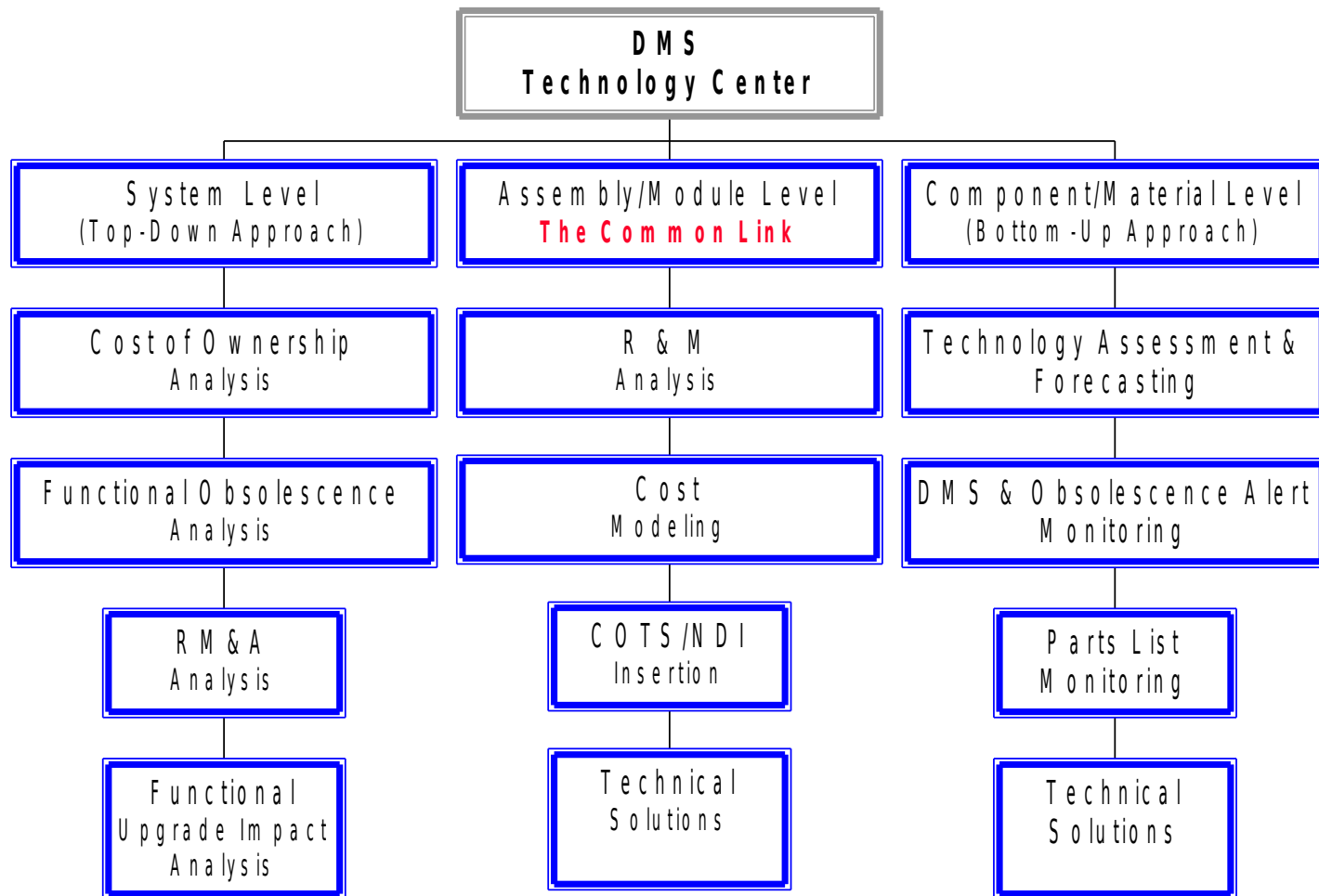
Fiscal Year

- | | |
|---|-------------------------|
| ■ Operation and Maintenance | ■ Military Personnel |
| ■ Research, Development, Test, and Evaluation | ■ Military Construction |
| ■ Family Housing | ■ Procurement |

Effects of Evolving Technology on Older Systems

- Increasing Cost of Ownership
- Decreasing Repairability
- Degraded Mission Effectiveness
- Configuration Proliferation
- Diminished Effectiveness of Supply Support System
- Proliferation of Support Equipment
- Loss of Installation Baseline Control

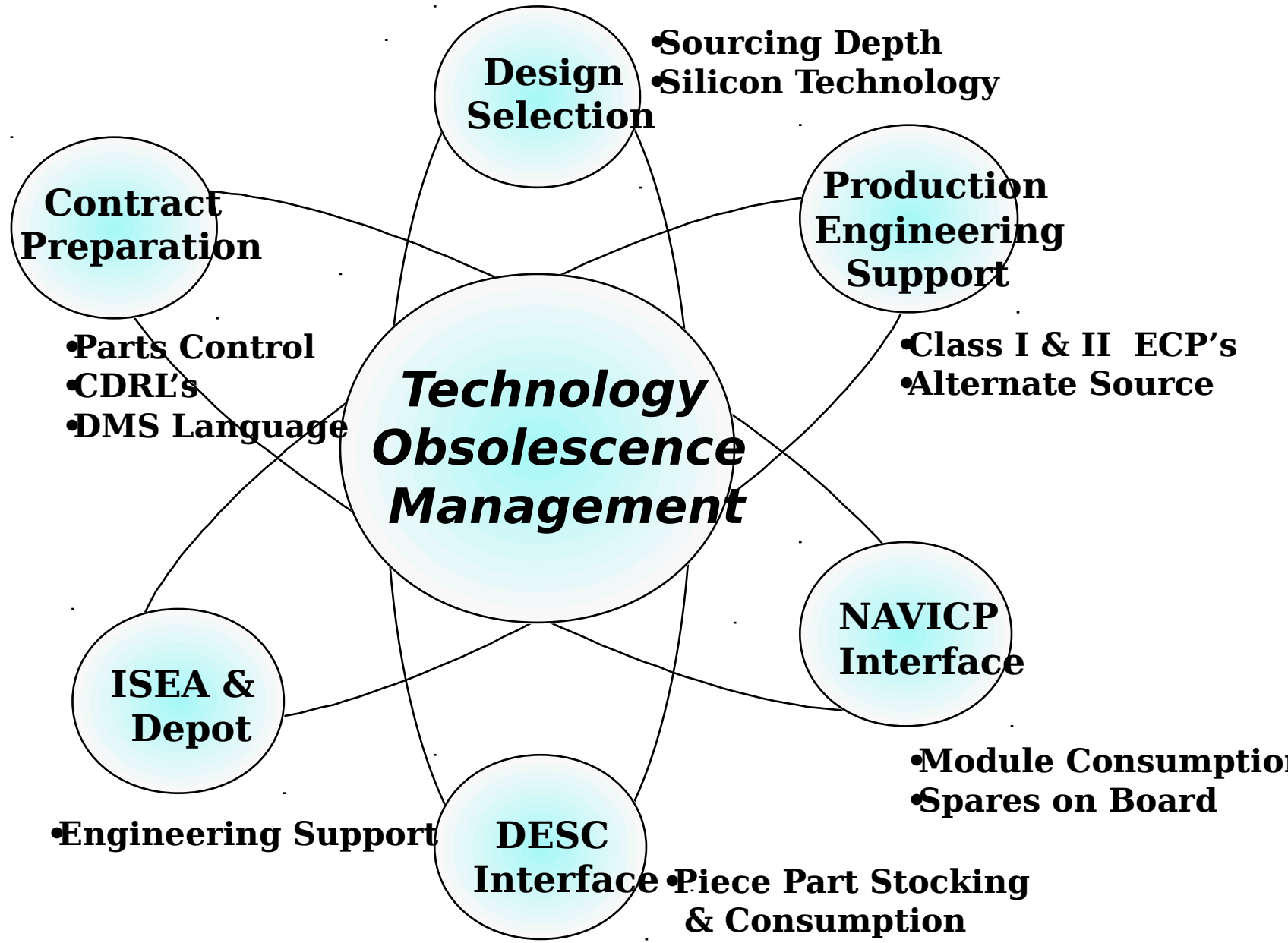
DTC Core Capabilities



POINT: AN INTEGRATED TEAM OF TEAMS

AN/XXX Technology Management

'Design Selection To Fleet Support'

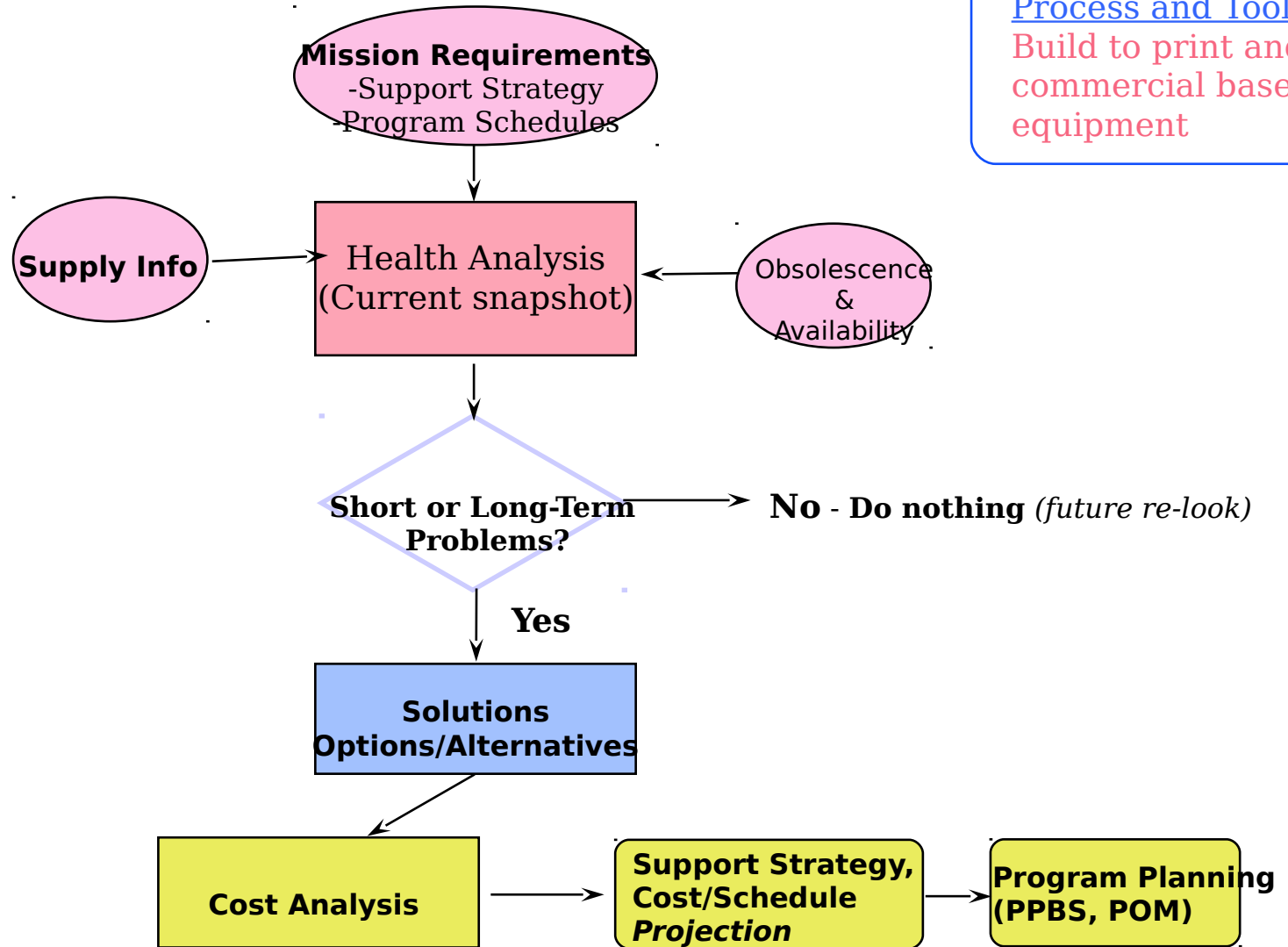


Process Overview

Process and Tools for
Build to print and
commercial based
equipment

Problem ID

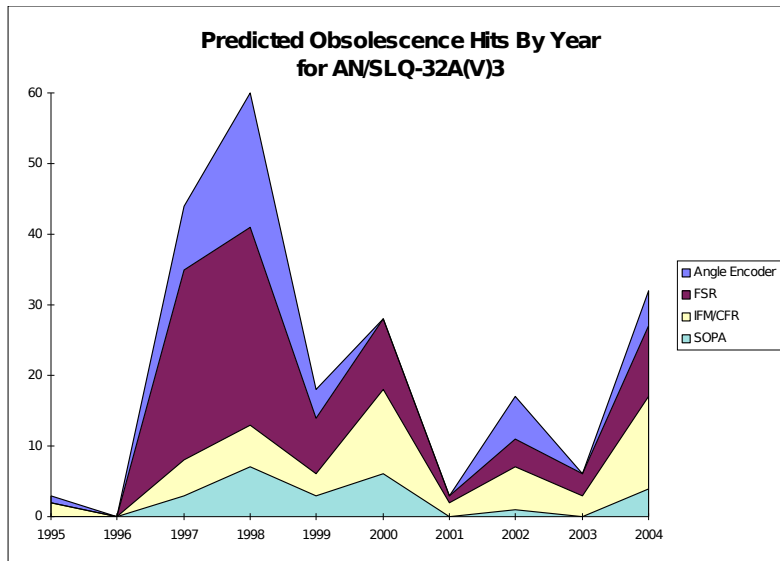
- When
- What
- Where



Solutions

Costs

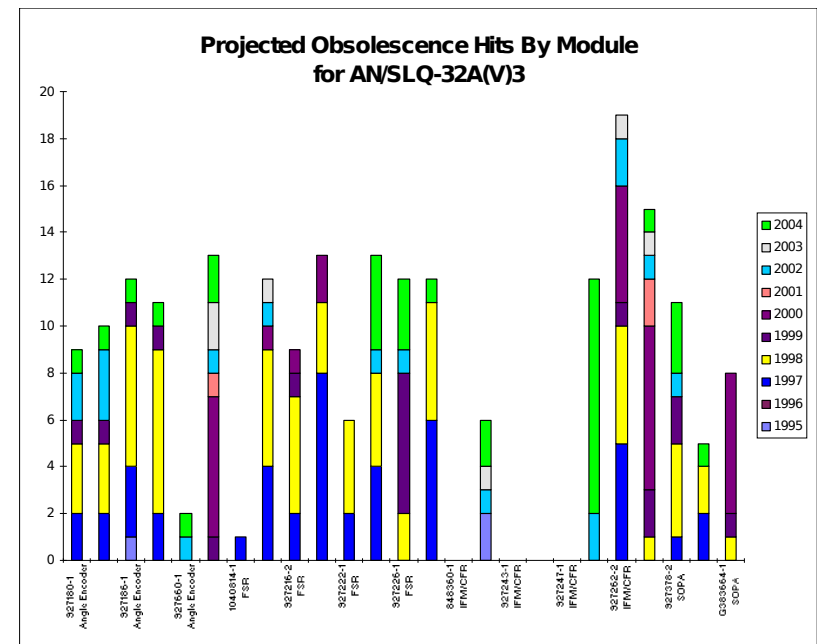
AN/SLQ-32(V)3 Obsolescence Projections



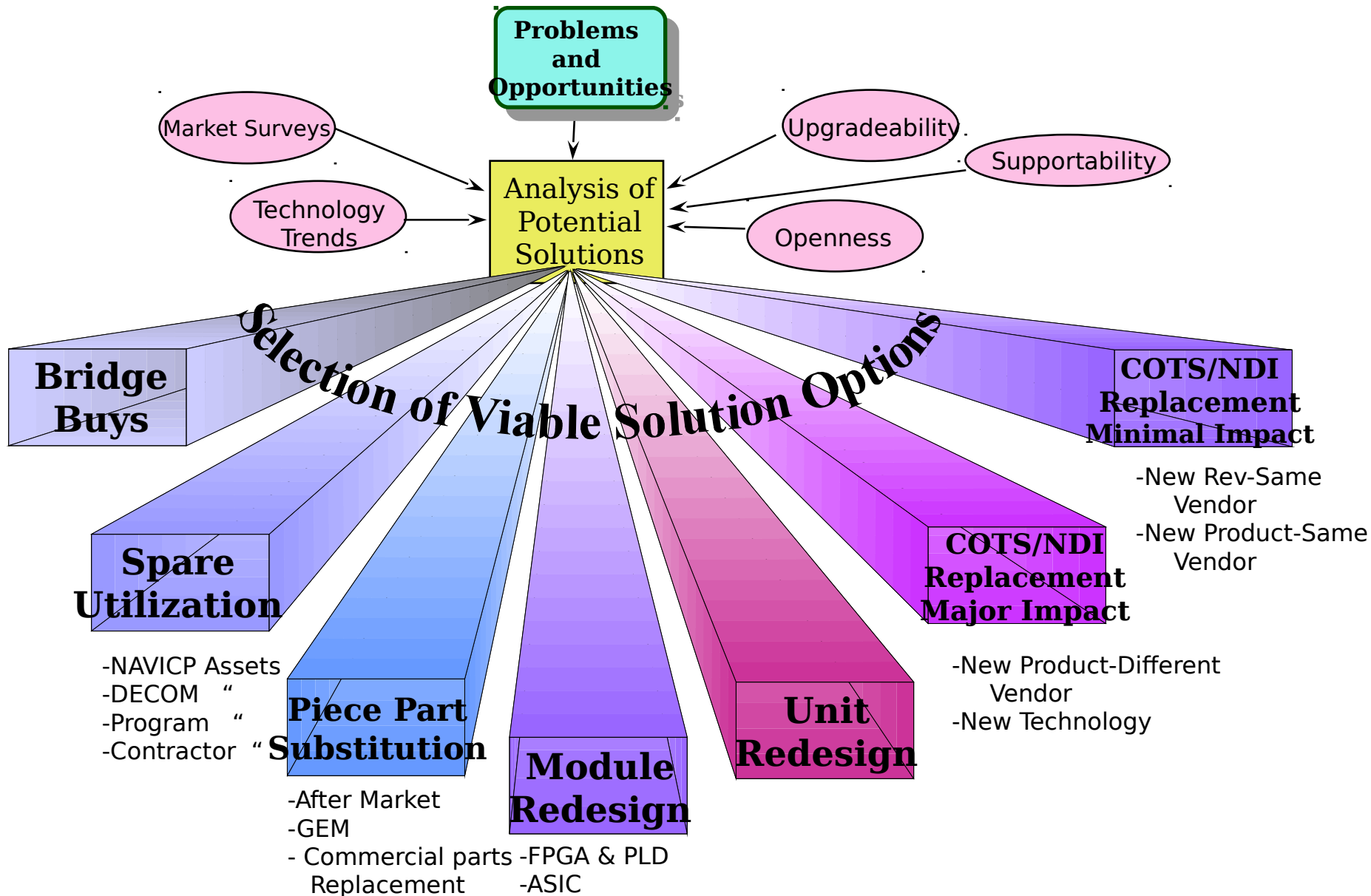
Projected Obsolescence Hits *By Module*

Chart Showing the Number of Projected Obsolete Components Per Year Ordered by Module/Functional Area.

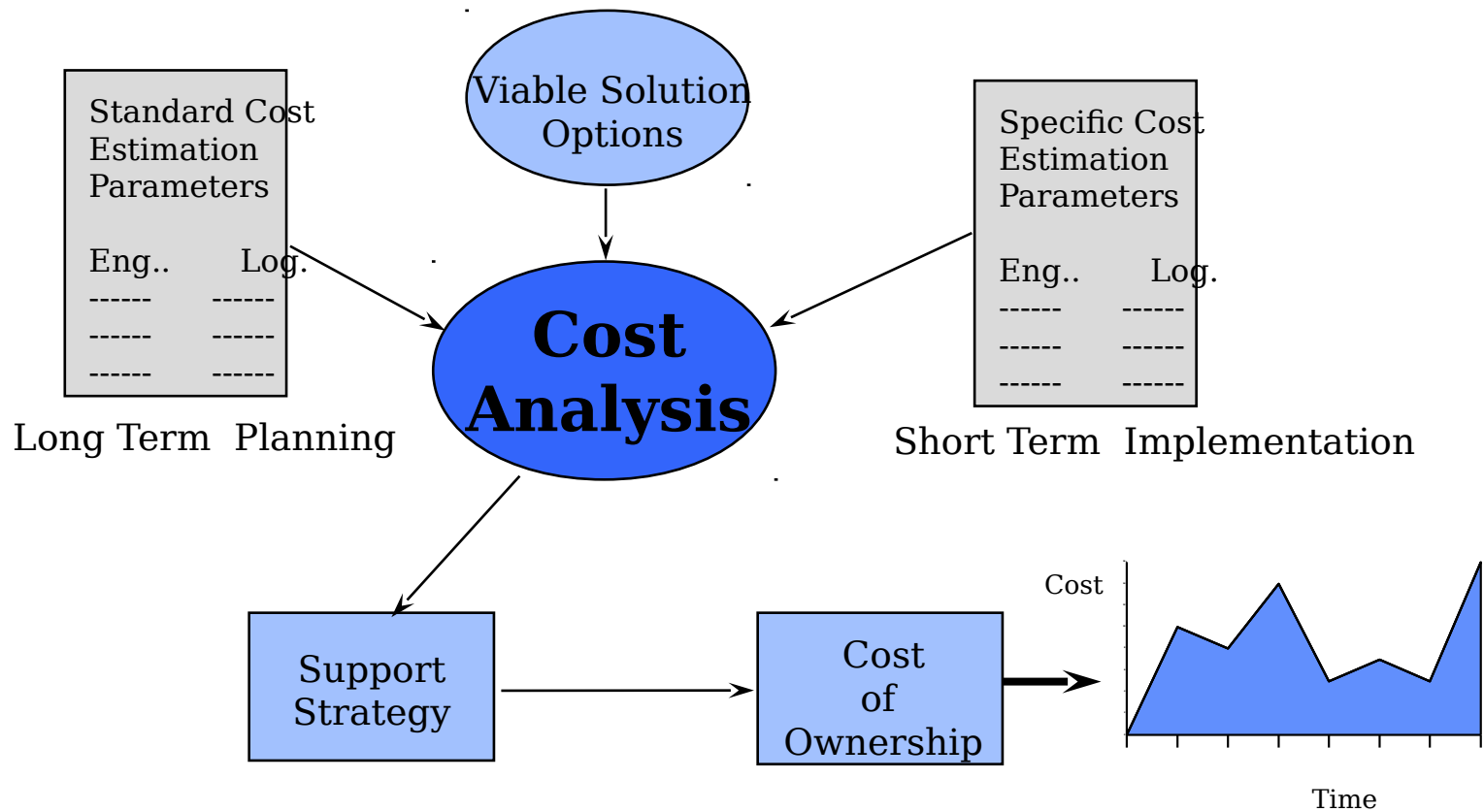
Total Projected Obsolescence Hits for Functional Areas by Year



Solution Alternatives/Options



Cost Analysis



What is Successful?

Most Desirable Combination of:

Availability

Cost

Performance

Reliability

Maintainability

For the Desired Equipment Life Span

Summary

- DOD Budgets Have Decreased and Funding has Shifted From Procurement to Operation and Maintenance Accounts
- Services Looking for Processes to Remodernize Fielded Systems
- Newly Acquired Equipment Will Be Primarily COTS/NDI
- Surface Warfare Center Proactively Incorporating Legacy System Management “Lessons Learned” into COTS Management
- DTC Utilizing “Single Process” for Both Commercial And Military Systems
- Output Provides Decision Support Data for Program Manager to:
 - Determine Today’s System Support Cost & Drivers
 - Reprogram Budget as Required for Future System Support
 - Compare Military Versus Commercial System Cost and Schedules